





Safety Data Sheet

1. Identification	
Product Name:	Geranium Rose Essential Oil
Botanical/INCI:	<i>Pelargonium graveolens</i>
Synonyms:	Geranium Rose
CAS Number:	90082-55-6
Product Uses:	Personal care, Aromatherapy
Manufacturer/Supplier:	Amrita Aromatherapy, Inc.®
Address:	1900 W. Stone Ave., Suite C Fairfield, IA 52556
Phone:	1(800)410-9651 or 1(641)472-9136
Fax:	1(641)472-8672
Emergency Contact:	Poison Control: 1(800)222-1222
2. Hazard(s) Identification	
Appearance:	Liquid
Signal Word:	Danger
Statement of Hazard:	H226 – Flammable liquid and vapor H304 – May be fatal if swallowed and enters airways H315 – Causes skin irritation H317 – May cause an allergic skin reaction H318 – Causes serious eye damage H319 – Causes serious eye irritation H361 – Suspected of damaging fertility or the unborn child H410 – Very toxic to aquatic life with long lasting effects
Precautionary Statements:	P102 – Keep out of reach of the children. P210 – Keep away from heat, hot surface, sparks, open flames and other ignition sources. No smoking. P233 – Keep container tightly closed. P243 – Take precautionary measures against static discharge. P264+P265 – Wash hands thoroughly after handling. Do not touch eyes. P272 – Contaminated work clothing should not be allowed out of the workplace. P273 – Avoid release to the environment. P280 – Wear protective gloves/protective clothing P301+P310 – IF SWALLOWED: Immediately call a POISON CENTER/Doctor/Physician P305+P351+P338 – IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses if present and easy to do – continue rinsing. P303+P361+P353 – IF ON SKIN (or hair): Take off Immediately all contaminated clothing. Rinse SKIN with water [or shower]. P331 – Do NOT induce vomiting. P362+P364 – Take off all contaminated clothing and wash it before reuse. P391 – Collect spillage. P403+P235 – Store in a well-ventilated place. Keep container tightly closed. P405 – Store locked up. P501 – Dispose of contents/container to an approved waste disposal plant.

Aspiration Toxicity:	Category 1
Skin Irritation:	Category 2
Skin Sensitization:	Category 1
Acute Aquatic Toxicity:	Category 1
Chronic Aquatic Toxicity:	Category 3
Flammable Liquids:	Category 3
Classification according to EU Directives 67/548/EEC or 1999/45/EC. For the full text of the R-phrases mentioned in this Section, see Section 16.	

Hazards	
Symbol(s) Writing	Pictogram(s)
<ul style="list-style-type: none"> Flammable liquid and vapor 	
<ul style="list-style-type: none"> Causes skin irritation Causes eye irritation Causes skin sensitization 	
<ul style="list-style-type: none"> Reproductive toxicity 	
<ul style="list-style-type: none"> Acute hazard to the aquatic environment Chronic hazard to the aquatic environment 	


3. Composition / Information on Ingredients

Ingredients List: Geranium Rose Essential Oil

Component	CAS Number	Weight %	Classification 1272 / 2008	EC Number
Citronellol	106-22-9	~37%	SI2, SS1, EI2, AC2	203-375-0
Geraniol	106-24-1	~14%	SS1, SI2, ED1	203-377-1
Citronellyl formate	93919-91-6	~8%	SI2, SS1B	203-338-9
Linalool	78-70-6	~6%	SI2, SS1B, EI2	201-134-4
Isomenthone	18309-28-9	~6%	FL3, SI2, SS1, AC3	214-049-2
10-epi-gamma-eudesmol	15051-81-7	~3%	SI2, EI2	866-515-5
Menthone	89-80-5	~3%	FL3, SI2, SS1, AC3	237-926-1
Geranyl formate	105-86-2	~3%	SS1	203-339-4
Cis-rose oxide	3033-23-6	~2%	SI2, EI2, Repr2	221-217-9
Alpha pinene	80-56-8	~1%	FL3, AspT1, SI2, SS1, ED1, EI2, AA1, AC1	201-291-9

Geraniol	5392-40-5	~1%	SI2, SS1, EI2	205-476-5
Myrcene	123-35-3	<1%	FL3, AspT1, SI2, EI2, AC3	204-622-5
Neral	106-26-3	<1%	SI2, SS1B, EI2	203-379-2
Eugenol	97-53-0	<1%	AT4, SI2, SS1, EI2	202-589-1
(See Section 8 for Exposure Limits)				
4. First Aid Measures				
General Advice:	Seek medical attention in case of any discomfort. Observe risk of aspiration if vomiting occurs. May cause lung damage if swallowed.			
Eye Contact:	Remove contact lenses. Flush repeatedly with water for 15 minutes; contact physician			
Skin Contact:	Remove contaminated clothing, wash with water and soap. Contact physician if redness or irritation develop.			
Ingestion:	Do NOT induce vomiting. Rinse out mouth. Do NOT give water or milk unless directed by medical professional. Contact POISON CENTER or doctor immediately.			
Inhalation:	Remove to fresh air and contact a physician if symptoms such as wheezing, coughing, shortness of breath, or burning in the mouth, throat, or chest occur.			
5. Fire Fighting Measures				
Extinguishing Media:	SUITABLE: Foam, Dry chemical, Carbon Dioxide, B class Extinguishers NON-SUITABLE: Water Jet			
Hazardous Combustion Products:	Carbon Dioxide and Carbon Monoxide			
Fire Fighting Procedures:	When possible, prevent environmental run-off. Use self-contained breathing apparatus and protective clothing.			
Fire / Explosion Hazards:	Carbon monoxide, carbon dioxide, acrid fumes, smoke, or flammable vapor may be released during oil fires. Flammable liquid and vapor. Vapors are heavier than air and may travel along surfaces to remote ignition sources and flash back.			
6. Accidental Release Measures				
Health and Safety Precautions:	Personnel involved in cleanup should wear appropriate personal protective equipment (see Section 8). Minimize exposure. Eliminate all sources of ignition and ventilate area using explosion-proof equipment.			
Measures for Cleaning and Collecting:	Absorb spill with non-combustible matter (such as detergent--do not use solvents) and transfer to containers. Clean spill area thoroughly.			
Measures for Environmental Protections:	Do NOT allow to enter the sewer or outdoor environment. Place waste in an appropriately labeled, sealed container for disposal. Care should be taken to avoid environmental release.			
Additional Considerations for Large Spills:	Contain and control the leaks or spills with non-combustible absorbent materials such as sand, earth, vermiculite, or diatomaceous earth in drums for waste disposal. Avoid allowing product to reach sewage system or any waterways. Inform respective authorities in case of seepage into sewage system or waterways.			
7. Handling and Storage				
General Handling:	Avoid contact with eyes, skin, mucous and clothing. Wear required PPE. Observe good hygiene guidelines and general safety practices. Do NOT eat, drink, or smoke when handling. Ensure workspace is properly ventilated. Wash hands after handling.			

Storage Conditions:	Store in tightly sealed glass container, away from heat, light, and other sources of ignition; in a well-ventilated, dry, and cool location. Keep away from strong oxidizing agents.
8. Exposure Controls / Personal Protection	
Exposure Limit:	This product, as supplied, does not contain any hazardous materials with occupational exposure limits established by the region-specific regulatory bodies.
Engineering Controls:	Extraction or global ventilation. Equipment should be grounded. Provide eyewash station.
Environmental Exposure Controls:	Avoid discharging into sewer or environment. Do NOT eat, drink, or smoke near or after handling product.
Personal Protective Equipment (PPE):	Work clothing worn by personnel shall be laundered regularly. After contact with the product, all parts of the body that have been soiled must be washed
Hands:	Wear suitable protective gloves (resistant to chemical agents in accordance with standard EN374) in the event of prolonged or repeated skin contact.
Eyes:	Avoid contact with eyes. Use eye protectors (safety goggles in accordance with standard EN166) designed to protect against liquid splashes.
Skin:	Use protective clothing as necessary, such as a lab coat.
Respiratory Protection:	Assure a well-ventilated work area – Use general face covering
9. Physical and Chemical Properties	
Physical State:	Liquid
Liquid Color:	Transparent Yellowish
Odor:	Heavy, Sweet, Floral
Molecular Weight:	No information
Water Solubility:	Not soluble
Boiling Point (°C):	No information
Vapor Pressure (kPa):	No information
Vapor Density (g/mL):	No information
Flash Point – Liquid (°C):	87°C
Upper Explosive Limits:	No information
Lower Explosive Limits:	No information
Polymerization:	Will not occur
Specific Gravity 25°C:	No information
Specific Gravity 20°C:	0.863 – 0.893
Refractive Index 20°C:	1.4550 – 1.4675
10. Stability and Reactivity	
Chemical Stability:	Stable under normal conditions of use.
Conditions to Avoid:	Keep away from heat, spark, flames, and all other sources of ignition
Incompatible Materials:	Strong oxidizing agents and strong inorganic acids
11. Toxicological Information	
General Information:	Keep out of reach of children. Do not swallow. If swallowed, do NOT induce vomiting, immediately call a POISON CENTER/Doctor/Physician.
Acute Toxicity:	Harmful if swallowed.
Irritation / Sensitization:	Many of the components may be irritating/sensitizing to skin.
Skin Absorption:	No adverse effects with normal skin. However, potentially harmful amounts

	of material may be absorbed across markedly abraded skin when contact is sustained.
Carcinogen Status:	Eugenol - IARC Group 3 Carcinogenic Agent: Not classifiable as to its carcinogenicity to humans Myrcene - IARC Group 2B Carcinogenic Agent: Possibly carcinogenic to humans
12. Ecological Information	
Environmental Overview:	The environmental characteristics of this mixture have not been fully evaluated. Releases to the environment should be avoided.
Eco-toxicity Effects:	Very toxic to aquatic organisms; may cause long-term adverse effects in the aquatic environment.
Persistence and Degradability:	Biodegradation is expected
Bio-accumulative Potential:	Bioaccumulation is unlikely
Mobility in Soil:	Not Determined
Other Adverse Effects:	Avoid exposure to marine environments and waterways
13. Disposal Considerations	
Waste Treatment Methods:	Releases to the environment should be avoided. Review and implement appropriate technical and procedural wastewater and waste disposal measures to prevent occupational exposure or environmental releases. Waste from a spill: Contain the source of spill if it is safe to do so. Collect spill with absorbent material. Place waste in an appropriately labeled, sealed container for disposal. Clean spill area thoroughly. Care should be taken to avoid environmental release.
14. Transport Information	
<i>The following refers to all modes of transportation unless specified below. This material is regulated for transport under DOT, ADR, IMDG, and IATA regulations.</i>	
UN Number:	1169
UN Proper Shipping Name:	Extracts, aromatic, liquid
Transport Hazard Class(es):	Flammable Class 3
Packing Group:	III
Flash Point (°C):	87°C
Marine Pollutant:	Yes
15. Regulatory Information	
EU Symbol:	
EU Indication of Danger:	F – Flammable N – Dangerous for the environment Xi – Irritant Xn – Hazard
EU Risk Phrases:	R10 - Flammable R28 - Very toxic if swallowed R36 - Irritating to eyes R38 - Irritating to skin R41 - Risk of serious damage to eyes R43 - May cause sensitization by skin contact R50/R53 - Very toxic to aquatic organisms, may cause long-term adverse

	<p>effects in the aquatic environment R62/R63 - Possible risk of impaired fertility or harm to the unborn child</p>
EU Safety Phrases:	<p>S1 - Keep locked up S2 – Keep out of the reach of children S7 - Keep container tightly closed. S7/S9 - Keep container tightly closed and in a well-ventilated place. S15/S16 - Keep away from heat & sources of ignition - No smoking. S23 - Do not breathe dust/gas/fumes/vapour/spray. S25/S28 - After contact with skin, wash immediately with plenty of soap. Do not touch eyes. S26 - In case of contact with eyes, rinse immediately with plenty of water and seek medical advice. S27 - Take off immediately all contaminated clothing. Do not allow contaminated clothing out of the workplace. S27/S28 - After contact with skin, take off immediately all contaminated clothing, and wash immediately with plenty of water. S33 - Take precautionary measures against static discharges. S36/S37 - Wear suitable protecting gloves/clothing. S46 - If swallowed, seek medical advice immediately and show this container or label. S56 – Dispose of this material and its container at a hazardous or special waste collection point. S57 - Use appropriate containment to avoid environmental contamination. S61 - Avoid release to the environment. S62 - If swallowed, do not induce vomiting; seek medical advice immediately and show this container or label where possible.</p>
OSHA Label:	Danger
Identifying Markings in Accordance with EC Directives / GefStoffV:	No duty to mark/Exempt
California Proposition 65:	WARNING! This product contains chemicals known to the State of California to cause cancer or reproductive harm. For more information go to www.P65Warnings.ca.gov .
United States TSCA:	Complies
Australia (AICS):	Not present
EU EINECS/ELINCS List:	Complies
16. Other Information	
Section 2 Expanded Precautionary Statements	<p>P240 – Ground/bond container and receiving equipment. P242 – Use only non-sparking tools. P332+P317 – If skin irritation occurs: Get medical help. P337+P317 – If eye irritation persists: Get medical help.</p>
Section 3 Expanded Classification 1272 / 2008	<p>Citronellol – Skin Irritant 2, Skin Sensitizer 1, Eye Irritant 2, Aquatic Chronic 2 Geraniol – Skin Sensitizer 1, Skin Irritant 2, Eye Damager Citronellyl formate – Skin Irritant 2, Skin Sensitizer 1B Linalool – Skin Irritant 2, Skin Sensitizer 1B, Eye Irritant 2 Isomenthone – Flammable Liquid 3, Skin Irritant 2, Skin Sensitizer 1, Aquatic Chronic 3 10-epi-gamma-Eudesmol – Skin Irritant 2, Eye Irritant 2 Menthone – Flammable Liquid 3, Skin Irritant 2, Skin Sensitizer 1, Aquatic Chronic 3</p>

	Geranyl formate – Skin Sensitizer 1 Cis-rose oxide – Skin Irritant 2, Eye Irritant 2, Reproductive Hazard 2 Alpha pinene – Flammable Liquid 3, Aspiration Toxicant 1, Skin Irritant 2, Skin Sensitizer 1, Eye Damager 1, Eye Irritant 2, Aquatic Acute 1, Aquatic Chronic 1 Geranial – Skin Irritant 2, Skin Sensitizer 1, Eye Irritant 2 Myrcene – Flammable Liquid 3, Aspiration Toxicant 1, Skin Irritant 2, Eye Irritant 2, Aquatic Chronic 3 Neral – Skin Irritant 2, Skin Sensitizer 1B, Eye Irritant 2 Eugenol - Acute Toxicant 4, Skin Irritant 2, Skin Sensitizer 1, Eye Irritant 2
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Revision Tracking				
Revision	Date	Reason	Author	Reviewed by
V1.0	6/23/2022	Creation	AG	SS